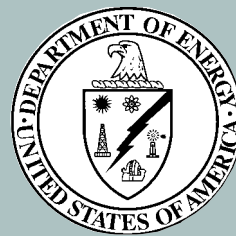


Standards Actions— July 2002

Visit the Technical Standards
Program Web Site at
<http://tis.eh.doe.gov/techstds/>.

Standards Actions



DOE Technical Standards Program Document Status

07-01-2002

Activity Summary

In Conversion – 4

In Preparation – 46

Out for Comment – 14

Published this Month – 2



5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 12

Cancellation Pending – 7

Cancellation in Progress – 1

No Current Action – 19

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DOE Technical Standards Projects Initiated

If you have any questions or are interested in participating in the development of these standards, please contact the representatives listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on DOE Technical Standards, then click on Projects in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards projects were recently initiated:

- *Review Plan for DOE Contractor Criticality Safety Programs*, Project Number SAFT-0086, Project Contact: Dr. Jerry McKamy, U.S. Department of Energy, Preparing Activity: EH-21, 301-903-8031; fax: 301-903-4120; Jerry.Mckamy@eh.doe.gov.
- *Guidance for Preparation of Basis for Interim Operation (BIO) Documents*, revision to DOE-STD-3011-94; Project Number SAFT-0087, Project Contact: Richard Englehart, U.S. Department of Energy, Preparing Activity: EH-53, 301-903-3718; fax: 301-903-6172; Richard.Englehart@eh.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on this draft. The full text of the document is available on the TSP Web Site. If you wish to comment on this document, please notify your TSM.

The following draft DOE Technical Standards were recently distributed for coordination:

- *Nuclear Air Cleaning Handbook*, Project Number SAFT-0084; James Slawski, U.S. Department of Energy, National Nuclear Security Administration; 301-903-5464, James.Slawski@nnsa.doe.gov. Comments are due August 30, 2002.
- *Transportation and Traffic Management Functional Area Qualification Standard*, Project Number TRNG-0024; Brian Hermann, U.S. Department of Energy, Albuquerque Operations Office; 505-845-5624, bhermann@doeal.gov. Comments are due August 16, 2002.

DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web Site:

- DOE-HDBK-1108-2002, *Radiological Safety Training for Accelerator Facilities*, May 2002. This standard supersedes DOE-HDBK-1108-97.
- DOE-STD-1104-96, Change Notice 1, *Review and Approval of Nuclear Facility Safety Basis Documents (Documented Safety Analysis and Technical Safety Requirements)*, May 2002.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ANS 8.3-1997, *Criticality Accident Alarm System* (reaffirmation of ANSI/ANS 8.3-1997) – August 6, 2002.
- ANS 58.21-200x, *External Events PRA Methodology* (new standard) – August 6, 2002.

- N42.28-200x, *Calibration of Germanium Detectors for In-Situ Gamma-Ray Measurements* (new standard) – August 20, 2002.
- NFPA 20-200x, *Standard for the Installation of Stationary Pumps for Fire Protection* (revision of ANSI/NFPA 20-1999) – August 27, 2002.
- NFPA 33-200x, *Standard for Spray Application Using Flammable or Combustible Materials* (revision of ANSI/NFPA 33-2000) – August 27, 2002.
- NFPA 70E-200x, *Standard for Electrical Safety Requirements for Employee Workplaces* (revision of ANSI/NFPA 70E-2000) – August 27, 2002.
- NFPA 306-200x, *Standard for the Control of Gas Hazards on Vessels* (revision of ANSI/NFPA 306-2001) – August 27, 2002.
- NFPA 820-200x, *Standard for Fire Protection in Wastewater Treatment and Collection Facilities* (revision of ANSI/NFPA 820-1999) – August 27, 2002.
- NFPA 1963-200x, *Standard for Fire Hose Connections* (revision of ANSI/NFPA 1963-1998) – August 27, 2002.
- UL 263-200x, *Standard for Safety for Fire Tests of Building Construction and Materials* (Bulletin dated June 5, 2002) (revision of ANSI/UL 263-1996) – July 29, 2002.
- UL 299/ULC-S504-200x, *Standard for Safety for Dry Chemical Fire Extinguishers* (Bulletin dated 9-12-01) (revision and redesignation of ANSI/UL 299-2000) – August 12, 2002.

The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI/ASME OMa Code-2002, *Code for Operation and Maintenance of Nuclear Power Plants* (supplement to ANSI/ASME OM Code-2001) – June 6, 2002.
- ANSI/ASTM D3977-1997 (R2002), *Test Method for Determining Sediment Concentration in Water Samples* (reaffirmation of ANSI/ASTM D3977-1997) – June 10, 2002.
- ANSI/ASTM D4412-2002, *Test Methods for Sulfate-reducing Bacteria in Water and Water-formed Deposits* (new standard) – June 10, 2002.

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- ANSI/ASTM D6808-2002, *Practice for Competency Requirements of Reference Material Producers for Water Analysis* (new standard) – June 10, 2002.
- ANSI/ASTM F1207/F1207M-1997 (R2002), *Specification for Electrical Insulation Monitors for Monitoring Ground Resistance in Active Electrical Systems* (metric) (reaffirmation of ANSI/ASTM F1207-1997) – June 20, 2002.
- ANSI/IEEE 765-2002, *Preferred Power Supply for Nuclear Power Generating Stations* (revision of ANSI/IEEE 765-1995) – June 20, 2002.
- ANSI/UL 2034-2002, *Standard for Safety for Single and Multiple Station Carbon Monoxide Detectors* (new standard) – June 17, 2002.

The following international standards are currently in coordination (comment due dates follow each entry):

- 22H/23/FDIS, 62040-1-2, Ed. 1, *Uninterruptible Power Systems (UPS) – Part 1-2: General and safety requirements for UPS used in restricted access locations* – August 9, 2002.
- EN 1123-1: 1999/prA1, *Pipes and fittings of longitudinally welded hot-dip galvanized steel pipes with spigot and socket for waste water systems – Part 1: Requirements, testing, quality control* – October 9, 2002.
- EN 1124-1: 1999/prA1, *Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems – Part 1: Requirements, testing, quality control* – October 9, 2002.
- IEC 61000-4-7 Ed.2, *Electromagnetic compatibility (EMC) – Part 4-7: Testing and measurement techniques – General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto* – July 19, 2002.
- IEC 61888, *Nuclear power plants – Instrumentation important to safety – Determination and maintenance of trip setpoints* – August 2, 2002.
- ISO/DIS 21909, *Radiation protection – Passive personal neutron dosimeters – Performance and test requirements* – September 14, 2002.
- prEN 54-12, *Fire detection and fire alarm systems – Part 12: Smoke detectors – Line detectors using an optical light beam* – for information.
- prEN 404 REVIEW, *Respiratory protective devices for self-rescue – Filter self-rescuer from carbon monoxide – Requirements, testing, marking* – October 9, 2002.
- prEN 12094-9, *Fixed firefighting systems – Components for gas extinguishing systems – Part 9: Requirements and test methods for special fire detectors* – for information.
- prEN 12259-5, *Fixed firefighting systems – Components for sprinkler and water spray systems – Part 5: Water flow detectors* – for information.
- prEN 13100-2, *Non destructive testing of welded joints of thermoplastics semi-finished products – Part 2: X-ray radiographic testing* – October 9, 2002.
- prEN 13308, *Tanks for transport of dangerous goods – Service equipment for tanks – Non pressure balanced footvalve* – for information.
- prEN 13314, *Tanks for transporting dangerous goods – Service equipment for tanks – Fill hole cover* – for information.
- prEN 13316, *Tanks for transporting dangerous goods – Service equipment – Pressure balanced footvalve* – for information.
- prEN 13317, *Tanks for transporting dangerous goods – Service equipment – Manhole cover assembly* – for information.
- prEN 13445-6:2002/prA1, *Unfired pressure vessels – Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron* – October 30, 2002.
- prEN 13753, *Products used for treatment of water intended for human consumption – Granular activated alumina* – for information.
- prEN 13794, *Respiratory protective devices – Self-contained closed-circuit breathing apparatus for escape – Requirements, testing, marking* – for information.
- prEN 13925-3, *Non-destructive testing – X-ray diffraction from polycrystalline and amorphous material – Part 3: Instruments* – October 9, 2002.
- prEN 14412, *Indoor air quality – Diffusive samplers for the determination of concentration of gases and vapours – Guide for selection, use and maintenance* – October 23, 2002.
- prEN 14470-1, *Fire safety storage cabinets – Part 1: Safety storage cabinets for flammable liquids* – October 9, 2002.

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The following newly published international standards are available:

- ISO 14438:2002, *Glass in building – Determination of energy balance value – Calculation method*.
- ISO 15708-1:2002, *Non-destructive testing – Radiation methods – Computed tomography – Part 1: Principles*.
- ISO 6942:2002, *Protective clothing – Protection against heat and fire – Method of test: Evaluation of materials and material assemblies when exposed to a source of radiant heat*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Hydraulic Institute (HI)

Office: 9 Sylvan Way, Suite 160
Parsippany, NJ 07054-3802

Fax: (973) 267-9055

Contact: Gregory Romanyshyn,
gromanyshyn@pumps.org

- HI 9.6.4-2005, *Centrifugal and Vertical Pumps for Vibration Measurement and Allowable Values* (revision of ANSI/HI 9.6.4-2000).

National Electrical Manufacturers Association (NEMA)

Office: 1300 North 17th Street, Suite 1847
Rosslyn, VA 22209

Fax: (703) 841-3344

Contact: John Collins, joh_collins@nema.org

- NEMA FB-11-200x, *Plugs, Receptacles, and Connectors of the Pin and Sleeve Type for Hazardous Locations* (new standard).

NSF International (NSF)

Office: 789 Dixboro Road
Ann Arbor, MI 48105

Fax: (734) 827-6831

Contact: Manu Kotha, Kotha@nsf.org

- NSF 49-2002, *Class II (Laminar Flow) Biohazard Cabinetry* (revision of ANSI/NSF 49-2002).

Underwriters Laboratories, Inc. (UL)

Office: 1655 Scott Boulevard
Santa Clara, CA 95050

Fax: (408) 556-6153

Contact: Linda Phinney,
Linda.L.Phinney@us.ul.com

- UL 864-200x, *Control Units for Fire Protective Signaling Systems* (new standard).
- UL 1480-200x, *Speakers for Fire Protective Signaling Systems* (revision of ANSI/UL 1480-1994).
- UL 1711-200x, *Amplifiers for Fire Protective Signaling Systems* (new standard).

American Society for Testing and Materials International

Standards activities of the American Society for Testing and Materials International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is July 10, 2002):

- D 4452-85(1995), *Methods for X-ray Radiography of Soil Samples* – reapproved standard.
- D 5092-90(1995)E01, *Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers* – revised standard.
- D 5490-93E01, *Guide for Comparing Ground-water Flow Model Simulations to Site-specific Information* – reapproved standard.

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- D 5730-98, *Guide for Site Characterization for Environmental Purposes with Emphasis on Soil, Rock, the Vadose Zone and Ground Water* – revised standard.
- D 5746-98, *Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities* – reapproved standard.
- D 5831-96(2001), *Test Method for Screening Fuels in Soils* – revised standard.
- D 5911-96E01, *Practice for Minimum Set of Data Elements to Identify a Soil Sampling Site* – reapproved standard.

The following newly published standards are available from ASTM:

- E 1605-01b, *Terminology Relating to Lead in Buildings* – revised standard.
- E 2191-02, *Test Method for Examination of Gas-Filled Filament-Wound Composite Pressure Vessels Using Acoustic Emission* – new standard.
- E 1316-02, *Terminology for Nondestructive Examinations* – revised standard.
- E 2079-01, *Test Methods for Limiting Oxygen Oxidant Concentration in Gases and Vapors* – revised standard.

Comments, Questions, and Addresses

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Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

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Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Amy Bush, ORNL, 865-576-2395, Fax 865-574-8481, bushar@ornl.gov.

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Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-576-2395, bushar@ornl.gov.